



October 24, 2018

Director, Air and Toxics Technical Enforcement Program  
Office of Enforcement, Compliance and Environmental Justice  
U.S. EPA, Region 8  
1595 Wynkoop Street, 8ENF-AT  
Denver, CO 80202-1129

**Re: QEP Energy Company  
NSPS Subpart OOOO and NSPS Subpart OOOOa Annual Report  
North Dakota Operations**

Dear Sir or Madam:

As required by 40 CFR 60.5420a, please find attached the following annual reports for QEP Energy Company's (QEP) operations in North Dakota:

- Annual Report for OOOO Applicable Storage Tanks
- Annual Report for OOOOa Applicable Storage Tanks
- Annual Report for OOOOa Fugitive Emissions Monitoring

Certifications by a Responsible Official of QEP are included with each report.

If you have any questions regarding the reports, please contact me at (303) 405-6648 or at [Melissa.Velasquez@qepres.com](mailto:Melissa.Velasquez@qepres.com).

Sincerely,

(b) (6)

Melissa Velasquez  
Supervisor, Environmental

Enclosures

Cc: North Dakota Department of Health  
Division of Air Quality  
918 East Divide Avenue  
Bismarck, ND 58501-1947

**40 CFR Part 60 Subpart OOOO  
Annual Report – Storage Tanks**

**QEP Energy Company  
1050 17<sup>th</sup> Street, Suite 800  
Denver, Colorado 80265**

**North Dakota Operations**

**Reporting Period: August 2, 2017 – August 1, 2018**

**Reporting Requirements - 60.5420 (b)(1) and 60.5420 (b)(6)**

The facilities listed in the attached Table 1 of the Annual Report are previously reported storage tanks subject to the requirements of 40 CFR 60.5395 in QEP Energy Company's North Dakota Operations.

The reporting requirements of 40 CFR 60.5420 (b), as applicable, are outlined as follows:

**60.5420 (b)(1)(i): The company name and address of the affected facility:**

The company name is QEP Energy Company (QEP).

The facility address for each affected facility in QEP's North Dakota Operations is shown in Table 1, Column B - Latitude and Column C - Longitude.

**60.5420 (b)(1)(ii): An identification of each affected facility being included in the annual report.**

An identification for each affected facility is listed in Table 1, Column E – Tank Identification.

**60.5420 (b)(1)(iii): Beginning and ending dates of the reporting period.**

This Annual Report covers the reporting period that starts August 2, 2017 and ends August 1, 2018.

Please note that NSPS OOOOa affected storage vessel facilities constructed or modified after September 18, 2015 have been submitted in an a separate report.

**60.5420 (b)(1)(iv): A certification by a certifying official of truth, accuracy, and completeness**

A certification is attached as Appendix A.

**60.5420 (b)(6)(i): An identification, including the location, of each storage vessel affected facility for which construction, modification or reconstruction commenced during the reporting period.**

No affected storage vessel facilities were constructed, reconstructed, or modified during the reporting period.

**60.5420 (b)(6)(ii): Documentation of the VOC emission rate determination according to §60.5365(e) for each storage vessel that became an affected facility during the reporting period or is returned to service during the reporting period.**

No new storage vessel facilities became affected facilities subject to these reporting requirements during the reporting period. VOC emission rate information is listed in Column H – VOC PTE per Tank.

**60.5420 (b)(6)(iii): Records of deviations**

QEP is not reporting any deviations for the facilities listed in Table 1 as specified in 60.5365 (e).

**60.5420 (b)(6)(iv): Group 1 Tanks initial notification**

This requirement has been satisfied in previously submitted reports.

**60.5420 (b)(6)(v): Emission control**

QEP has met the requirements set forth by 60.5410 (h)(2) and (3).

Appendix A

**Certification of Truth, Accuracy, and Completeness – 60.5420 (b)(1)(iv)**

*I certify that, based on information and belief formed after reasonable inquiry, the statements and information contained in this report are true, accurate, and complete.*

(b) (6)

Jeffery Tommerup

Senior Vice President Eastern Region & HSE

QEP Energy Company

10-24-2018  
Date

**Table 1: North Dakota Operations OOOO All Applicable Tanks**

Beginning Date of Reporting Period:

August 2, 2017

Ending Date of Reporting Period:

August 1, 2018

	60.5420(b)(1)(i)			60.5420(b)(1)(ii)			60.5420(b)(6)(ii)	60.5420 (b)(6)(i)		60.5420(b)(6)(iv)
Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Facility Name	Latitude	Longitude	Construction Date	Tank Identification	Number of Tanks	VOC PTE (tpy)	VOC PTE per Tank (tpy)	Date Removed from Service	Date Returned to Service	Deviations to Report?
5-20Y	(b) (9)	(b) (9)	8/4/2014	11627-6	7	91.38	13.05	n/a	n/a	No
			8/4/2014	11406-2				n/a	n/a	No
			8/4/2014	11628-8				n/a	n/a	No
			8/4/2014	11628-3				n/a	n/a	No
			8/4/2014	11627-8				n/a	n/a	No
			8/4/2014	11406-1				n/a	n/a	No
			8/4/2014	1146-17				n/a	n/a	No
16-8Y	(b) (9)	(b) (9)	2/1/2015	11631-3	8	56.07	7.01	n/a	n/a	No
			2/1/2015	11631-8				n/a	n/a	No
			2/1/2015	11631-9				n/a	n/a	No
			2/1/2015	11628-7				n/a	n/a	No
			2/1/2015	11628-5				n/a	n/a	No
			2/1/2015	11628-10				n/a	n/a	No
			2/1/2015	11630-10				n/a	n/a	No
			2/1/2015	11631-2				n/a	n/a	No
2-16X	(b) (9)	(b) (9)	10/21/2014	11629-2	7	79.02	11.29	n/a	n/a	No
			10/21/2014	11631-1				n/a	n/a	No
			10/21/2014	11630-8				n/a	n/a	No
			10/21/2014	11630-7				n/a	n/a	No
			10/21/2014	11630-6				n/a	n/a	No
			10/21/2014	11630-9				n/a	n/a	No
			10/21/2014	11629-8				n/a	n/a	No

60.5420(b)(1)(i)			60.5420(b)(1)(ii)		60.5420(b)(6)(ii)		60.5420 (b)(6)(i)		60.5420(b)(6)(iv)	
Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Facility Name	Latitude	Longitude	Construction Date	Tank Identification	Number of Tanks	VOC PTE (tpy)	VOC PTE per Tank (tpy)	Date Removed from Service	Date Returned to Service	Deviations to Report?
13-12X	(b) (9)	(b) (9)	5/12/2015	11756-7	6	49.8	8.30	n/a	n/a	No
			5/12/2015	11756-4				n/a	n/a	No
			5/12/2015	11757-5				n/a	n/a	No
			5/12/2015	11756-1				n/a	n/a	No
			5/12/2015	11757-4				n/a	n/a	No
			5/12/2015	11755-7				n/a	n/a	No
14-35Y	(b) (9)	(b) (9)	4/8/2014	11401-5	8	63.21	7.90	n/a	n/a	No
			4/8/2014	11401-7				n/a	n/a	No
			4/8/2014	11401-8				n/a	n/a	No
			4/8/2014	11400-18				n/a	n/a	No
			4/8/2014	11406-15				n/a	n/a	No
			4/8/2014	11403-7				n/a	n/a	No
			4/8/2014	11403-13				n/a	n/a	No
			4/8/2014	11403-17				n/a	n/a	No
13-7Y	(b) (9)	(b) (9)	7/25/2015	11759-10	3	21.22	7.07	n/a	n/a	No
			7/25/2015	11760-1				n/a	n/a	No
			7/25/2015	11760-2				n/a	n/a	No
14-18Y	(b) (9)	(b) (9)	8/18/2014	11403-8	8	22.09	2.76	n/a	n/a	No
			8/18/2014	11403-10				n/a	n/a	No
			8/18/2014	11403-9				n/a	n/a	No
			8/18/2014	11403-12				n/a	n/a	No
			8/18/2014	11399-12				n/a	n/a	No
			8/18/2014	11404-15				n/a	n/a	No
			8/18/2014	11404-14				n/a	n/a	No
			8/18/2014	11397-4				n/a	n/a	No

	60.5420(b)(1)(i)			60.5420(b)(1)(ii)			60.5420(b)(6)(iii)	60.5420 (b)(6)(i)		60.5420(b)(6)(iv)
Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Facility Name	Latitude	Longitude	Construction Date	Tank Identification	Number of Tanks	VOC PTE (tpy)	VOC PTE per Tank (tpy)	Date Removed from Service	Date Returned to Service	Deviations to Report?
10-18Y	(b) (9)	(b) (9)	7/23/2014	11626-5	5	13.73	2.75	n/a	n/a	No
			7/23/2014	11626-1				n/a	n/a	No
			7/23/2014	11406-14				n/a	n/a	No
			7/23/2014	11625-6				n/a	n/a	No
			7/23/2014	11625-5				n/a	n/a	No
15-23Y	(b) (9)	(b) (9)	9/9/2014	11626-4	10	22.49	2.25	n/a	n/a	No
			9/9/2014	11627-3				n/a	n/a	No
			9/9/2014	11627-2				n/a	n/a	No
			9/9/2014	11627-1				n/a	n/a	No
			9/9/2014	11405-14				n/a	n/a	No
			9/9/2014	11626-9				n/a	n/a	No
			9/9/2014	11625-9				n/a	n/a	No
			9/9/2014	11406-11				n/a	n/a	No
			9/9/2014	11625-2				n/a	n/a	No
			9/9/2014	11625-1				n/a	n/a	No
2-6Y	(b) (9)	(b) (9)	10/5/2012	11397-18	7	21.58	3.08	n/a	n/a	No
			10/5/2012	11397-1				n/a	n/a	No
			10/5/2012	11397-14				n/a	n/a	No
			10/5/2012	11397-12				n/a	n/a	No
			10/5/2012	11402-11				n/a	n/a	No
			10/5/2012	11402-12				n/a	n/a	No
			10/5/2012	11402-10				n/a	n/a	No



	60.5420(b)(1)(i)			60.5420(b)(1)(ii)			60.5420(b)(6)(ii)	60.5420 (b)(6)(i)		60.5420(b)(6)(iv)
Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I	Column J	Column K
Facility Name	Latitude	Longitude	Construction Date	Tank Identification	Number of Tanks	VOC PTE (tpy)	VOC PTE per Tank (tpy)	Date Removed from Service	Date Returned to Service	Deviations to Report?
13-3D	(b) (9)	(b) (9)	3/22/2013	11397-16	8	11.52	1.44	n/a	n/a	No
			3/22/2013	11398-13				n/a	n/a	No
			3/22/2013	11398-10				n/a	n/a	No
			3/22/2013	11398-8				n/a	n/a	No
			3/22/2013	11398-4				n/a	n/a	No
			3/22/2013	11398-11				n/a	n/a	No
			3/22/2013	11398-7				n/a	n/a	No
			3/22/2013	11398-9				n/a	n/a	No
3-3Y	(b) (9)	(b) (9)	6/1/2013	11402-1	6	40.75	6.79	n/a	n/a	No
			6/1/2013	11402-2				n/a	n/a	No
			1/1/2013	11397				n/a	n/a	No
			5/1/2013	11401-1				n/a	n/a	No
			5/1/2013	11401-2				n/a	n/a	No
			5/1/2013	11401-3				n/a	n/a	No



40 CFR Part 60 Subpart OOOOa  
Annual Report – Storage Tanks

QEP Energy Company  
1050 17<sup>th</sup> Street, Suite 800  
Denver, Colorado 80265

North Dakota Operations

Reporting Period: August 2, 2017 – August 1, 2018

**Reporting Requirements - 60.5420a (b)(1) and 60.5420a (b)(6)**

See attached TABLE 2.

The facilities listed in TABLE 2 of this Annual OOOOa Report are tanks subject to the requirements of 40 CFR 60.5395a. TABLE 2 includes the information specified in the reporting requirements of 60.5420a(b)(1)(i)-(iv), 60.5420a (b)(6)(i)-(iii) and 60.5420a (b)(6)(v)-(vi).

**Records of Deviations - 60.5420a (b)(6)(iii)**

QEP Energy Company (QEP) is not reporting any deviations for the facilities listed in TABLE 2 as specified in 60.5365a(e).

**Emission Control – 60.5420a (b)(6)(iv)**

QEP has met the requirements set forth by 60.5410a (h)(2) and (3).

**Certification of Closed Vent System – 60.5420a (b)(12)**

QEP has met the requirements set forth by 60.5420a (b)(12). The certifications were provided on October 27, 2017.

**Certification of Truth, Accuracy, and Completeness – 60.5420a (b)(1)(iv)**

*I certify that, based on information and belief formed after reasonable inquiry, the statements and information contained in this report are true, accurate, and complete.*

(b) (6)

Jeffery Tommerup

Senior Vice President Eastern Region & HSE

QEP Energy Company

Date

10-24-2018

Table 2: North Dakota Operations OOOOa All Applicable Tanks

Beginning Date of Reporting Period:

August 2, 2016

Ending Date of Reporting Period:

August 1, 2017

Facility Name	Latitude	Longitude	Construction Date	Tank Identification	Number of Tanks	VOC PTE (tpy)	VOC PTE per Tank (tpy)	Date Removed from Service	Date Returned to Service	Deviations to Report?	Tank Battery Vent Line Design and Capacity Assessment Attached?
4-15X2	(b) (9)	(b) (9)	9/19/2016	11758-1	9	58.67	6.52	n/a	n/a	No	Yes
			9/19/2016	11757-9				n/a	n/a	No	
			9/19/2016	11758-8				n/a	n/a	No	
			9/19/2016	11757-6				n/a	n/a	No	
			9/19/2016	11756-5				n/a	n/a	No	
			9/19/2016	11757-10				n/a	n/a	No	
			9/19/2016	11757-2				n/a	n/a	No	
			9/19/2016	11757-3				n/a	n/a	No	
			9/19/2016	11758-5				n/a	n/a	No	
16-10X	(b) (9)	(b) (9)	1/2/2016	11655-3	12	79.45	6.62	n/a	n/a	No	Yes
			1/2/2016	11634-8				n/a	n/a	No	
			1/2/2016	11634-4				n/a	n/a	No	
			1/2/2016	11634-2				n/a	n/a	No	
			1/2/2016	11633-3				n/a	n/a	No	
			1/2/2016	11633-2				n/a	n/a	No	
			1/2/2016	11634-3				n/a	n/a	No	
			1/2/2016	11633-4				n/a	n/a	No	
			1/2/2016	11634-5				n/a	n/a	No	
			1/2/2016	11634-7				n/a	n/a	No	
			1/2/2016	11634-1				n/a	n/a	No	
			1/2/2016	11633-1				n/a	n/a	No	
15-33Y	(b) (9)	(b) (9)	11/23/2016	11401-11	8	69.36	8.67	n/a	n/a	No	Yes
			11/23/2016	11401-10				n/a	n/a	No	
			11/23/2016	11401-14				n/a	n/a	No	
			11/23/2016	11401-15				n/a	n/a	No	
			11/23/2016	11401-13				n/a	n/a	No	
			11/23/2016	11401-17				n/a	n/a	No	
			11/23/2016	11401-9				n/a	n/a	No	
			11/23/2016	11401-16				n/a	n/a	No	

**40 CFR Part 60 Subpart OOOOa  
Annual Report – Fugitive Emissions Monitoring**

**QEP Energy Company  
1050 17<sup>th</sup> Street, Suite 800  
Denver, Colorado 80265**

**North Dakota Operations**

**Reporting Period: August 1, 2017 – August 2, 2018**

**Reporting Requirements - 60.5420a (b)(1) and 60.5420a (b)(7)**

See attached TABLES 3-1 and 3-2.

The facilities listed in TABLE 3-1 of this Compliance Report are subject to the requirements of 40 CFR 60.5397a.

TABLE 3-1 includes the information specified in the reporting requirements of 40 CFR 60.5420a (b)(7)(i)-(vi). Additional information regarding Records of Deviation as required by 60.5420a (b)(7)(vi) is stated below.

TABLE 3-2 includes information specified in the reporting requirements of 60.5420a (b)(7)(vii)-(xii).

**Records of Deviations - 60.5420a (b)(7)(vi)**

As required by 60.5420a (b)(7)(vi), QEP Energy Company (QEP) is reporting deviations for two facilities listed in TABLE 3-1: 15-13X and 3-3Y.

Components with fugitive emissions identified at the 15-13X production facility were not repaired, replaced and/or resurveyed within 30 days of discovery, as required by 60.5397a (h)(3).

An initial monitoring survey was not conducted within 60 days following facility modification at the 3-3Y production facility as required by 60.5397a (f)(1).

QEP is not reporting deviations for any other facilities listed in TABLE 3-1, as specified in 60.5420a (b)(7)(vi).

**Difficult to Monitor and Unsafe to Monitor Components - 60.5420a (b) (7) (ix)**

QEP is not reporting Difficult to Monitor or Unsafe to Monitor Components.

**Delay of Repair - 60.5420a (b) (7) (vi)**

QEP has listed Fugitive Emission Components placed on Delay of Repair in TABLE 3-2 as specified in 60.5420a (b)(7)(xi).

**Certification of Truth, Accuracy, and Completeness – 60.5420a (b) (1) (iv)**

*I certify that, based on information and belief formed after reasonable inquiry, the statements and information contained in this report are true, accurate, and complete.*

(b) (6)

Jeffery Tommerup

Senior Vice President Eastern Region & HSE

QEP Energy Company

Date

10-24-2018

**TABLE 3-1: North Dakota Operations Fugitive Emissions Monitoring**

Beginning Date of Reporting Period: August 2, 2017

Ending Date of Reporting Period: August 1, 2018

Inspection ID	Facility Name	Latitude	Longitude	Date of Survey	Beginning Time of Survey	Ending Time of Survey	Survey Performed By	Ambient Conditions			Monitoring Instrument	Deviations from Monitoring Plan	Leaks Detected
								Temperature (F)	Sky Condition	Maximum Wind Speed (mph)			
7614	1-26X CPF	(b) (9)	(b) (9)	2018-05-23	10:15:00	11:05:00	(b) (6)	65	Overcast	5	FLIR GF320	No	Yes
5888	1-26X CPF	(b) (9)	(b) (9)	2018-01-22	15:28:00	15:41:00	(b) (6)	33	Clear	3	FLIR GF320	No	No
7395	1-2Y CPF	(b) (9)	(b) (9)	2018-05-07	11:55:00	12:55:00	(b) (6)	73	Overcast	7	FLIR GF320	No	Yes
5647	1-2Y CPF	(b) (9)	(b) (9)	2018-01-04	11:49:27	12:50:00	(b) (6)	15	Overcast	6	FLIR GF320	No	Yes
2530	10-6D	(b) (9)	(b) (9)	2017-08-30	14:40:00	15:56:00	(b) (6)	81	Clear	8	FLIR GF320	No	Yes
6653	10-6D	(b) (9)	(b) (9)	2018-02-21	13:42:38	15:09:22	(b) (6)	12	Clear	8	FLIR GF320	No	Yes
7458	13-20X CPF	(b) (9)	(b) (9)	2018-05-14	10:40:00	11:37:00	(b) (6)	65	Partly Cloudy	6	FLIR GF320	No	Yes
5682	13-20X CPF	(b) (9)	(b) (9)	2018-01-08	10:30:00	11:55:00	(b) (6)	29	Overcast	5	FLIR GF320	No	No
7207	13-2X	(b) (9)	(b) (9)	2018-04-24	12:08:00	13:21:29	(b) (6)	52	Clear	7	FLIR GF320	No	Yes
4486	13-2X	(b) (9)	(b) (9)	2017-11-20	15:29:00	15:45:00	(b) (6)	46	Partly Cloudy	35	FLIR GF320	No	No
4735	13-2X	(b) (9)	(b) (9)	2017-11-30	13:30:00	15:03:00	(b) (6)	39	Overcast	8	FLIR GF320	No	Yes
5657	13-35X CPF	(b) (9)	(b) (9)	2018-01-04	12:52:54	14:42:00	(b) (6)	16	Overcast	6	FLIR GF320	No	Yes
7459	13-35X CPF	(b) (9)	(b) (9)	2018-05-14	11:46:00	13:01:25	(b) (6)	72	Partly Cloudy	7	FLIR GF320	No	Yes
7368	14-1X	(b) (9)	(b) (9)	2018-05-01	09:55:00	10:59:00	(b) (6)	41	Overcast	4	FLIR GF320	No	Yes
5479	14-1X	(b) (9)	(b) (9)	2017-12-27	15:29:00	16:33:00	(b) (6)	4	Overcast	8	FLIR GF320	No	Yes
7370	14-21X CPF	(b) (9)	(b) (9)	2018-05-01	11:35:00	13:17:00	(b) (6)	44	Overcast	4	FLIR GF320	No	Yes
4157	14-21X CPF	(b) (9)	(b) (9)	2017-10-27	13:30:00	15:10:00	(b) (6)	41	Partly Cloudy	8	FLIR GF320	No	Yes
5524	14-21X CPF	(b) (9)	(b) (9)	2017-12-29	12:50:00	14:38:21	(b) (6)	-4	Partly Cloudy	9	FLIR GF320	No	Yes
7188	14-22G	(b) (9)	(b) (9)	2018-04-19	12:35:00	14:03:02	(b) (6)	44	Partly Cloudy	5	FLIR GF320	No	Yes
5315	14-22G	(b) (9)	(b) (9)	2017-12-19	10:20:00	11:59:02	(b) (6)	27	Partly Cloudy	8	FLIR GF320	No	Yes
7272	14-7Y CPF	(b) (9)	(b) (9)	2018-04-27	11:10:00	12:10:00	(b) (6)	55	Clear	8	FLIR GF320	No	Yes
5493	14-7Y CPF	(b) (9)	(b) (9)	2017-12-28	12:00:00	13:10:00	(b) (6)	-9	Clear	8	FLIR GF320	No	Yes
7803	15-13X	(b) (9)	(b) (9)	2018-05-31	09:15:00	10:49:00	(b) (6)	67	Partly Cloudy	5	FLIR GF320	Yes	Yes
7573	15-32B	(b) (9)	(b) (9)	2018-05-22	12:37:00	13:30:00	(b) (6)	74	Partly Cloudy	5	FLIR GF320	No	Yes
5765	15-32B	(b) (9)	(b) (9)	2018-01-11	14:42:00	15:47:00	(b) (6)	-4	Partly Cloudy	7	FLIR GF320	No	Yes
5420	15-33Y CPF	(b) (9)	(b) (9)	2017-12-22	08:30:00	09:29:00	(b) (6)	9	Overcast	28	FLIR GF320	No	Yes
5459	15-33Y CPF	(b) (9)	(b) (9)	2017-12-27	13:05:00	13:53:59	(b) (6)	0	Overcast	8	FLIR GF320	No	No
7258	15-33Y CPF	(b) (9)	(b) (9)	2018-04-26	10:11:00	11:48:00	(b) (6)	51	Partly Cloudy	5	FLIR GF320	No	Yes
6804	15-4D	(b) (9)	(b) (9)	2018-03-08	10:19:14	12:35:59	(b) (6)	17	Clear	8	FLIR GF320	No	Yes
2573	15-4D	(b) (9)	(b) (9)	2017-09-11	10:15:26	11:47:00	(b) (6)	62	Clear	3	FLIR GF320	No	Yes
5500	15-7Y CPF	(b) (9)	(b) (9)	2017-12-28	13:14:12	14:30:00	(b) (6)	-7	Clear	9	FLIR GF320	No	Yes
7273	15-7Y CPF	(b) (9)	(b) (9)	2018-04-27	12:13:15	13:25:00	(b) (6)	56	Clear	9	FLIR GF320	No	Yes
5316	16-10X CPF	(b) (9)	(b) (9)	2017-12-19	14:05:00	16:00:00	(b) (6)	33	Partly Cloudy	8	FLIR GF320	No	Yes
7208	16-10X CPF	(b) (9)	(b) (9)	2018-04-24	13:31:00	14:58:58	(b) (6)	54	Clear	7	FLIR GF320	No	Yes
4253	16-6E	(b) (9)	(b) (9)	2017-11-15	13:30:00	14:50:00	(b) (6)	20	Partly Cloudy	4	FLIR GF320	No	Yes
7187	16-6E	(b) (9)	(b) (9)	2018-04-19	11:20:00	12:22:00	(b) (6)	40	Overcast	3	FLIR GF320	No	Yes
7271	2-16X CPF	(b) (9)	(b) (9)	2018-04-27	09:20:00	10:38:40	(b) (6)	49	Clear	5	FLIR GF320	No	Yes
5523	2-16X CPF	(b) (9)	(b) (9)	2017-12-28	14:51:00	16:10:00	(b) (6)	-8	Clear	8	FLIR GF320	No	Yes
7209	4-15X2	(b) (9)	(b) (9)	2018-04-24	15:00:00	16:01:00	(b) (6)	57	Clear	7	FLIR GF320	No	Yes
5400	4-15X2	(b) (9)	(b) (9)	2017-12-21	10:20:00	12:17:00	(b) (6)	0	Clear	5	FLIR GF320	No	Yes
7396	4-36X	(b) (9)	(b) (9)	2018-05-07	13:15:00	14:45:00	(b) (6)	74	Overcast	7	FLIR GF320	No	Yes
5646	4-36X	(b) (9)	(b) (9)	2018-01-04	10:15:00	11:42:34	(b) (6)	13	Overcast	6	FLIR GF320	No	Yes
5087	5-10E	(b) (9)	(b) (9)	2017-12-07	13:24:00	15:00:00	(b) (6)	27	Partly Cloudy	9	FLIR GF320	No	Yes
4254	5-10E	(b) (9)	(b) (9)	2017-11-20	10:45:00	11:15:00	(b) (6)	45	Partly Cloudy	35	FLIR GF320	No	Yes
7103	5-10E	(b) (9)	(b) (9)	2018-04-10	11:03:00	12:05:00	(b) (6)	36	Partly Cloudy	6	FLIR GF320	No	No
7406	6-32G	(b) (9)	(b) (9)	2018-05-10	09:25:00	10:28:57	(b) (6)	44	Overcast	9	FLIR GF320	No	Yes
5644	6-32G	(b) (9)	(b) (9)	2018-01-03	16:15:00	17:03:12	(b) (6)	21	Partly Cloudy	2	FLIR GF320	No	Yes
5642	9-28G	(b) (9)	(b) (9)	2018-01-03	14:19:00	15:49:41	(b) (6)	19	Partly Cloudy	4	FLIR GF320	No	Yes
7491	9-28G	(b) (9)	(b) (9)	2018-05-15	09:32:00	10:47:00	(b) (6)	63	Clear	9	FLIR GF320	No	Yes
5941	3-3Y	(b) (9)	(b) (9)	2018-01-24	11:10:00	12:45:00	(b) (6)	28	Clear	4	FLIR GF320	Yes	Yes



**TABLE 3-2: North Dakota Operations Fugitive Emissions Components**

Beginning Date of Reporting Period:

August 2, 2017

Ending Date of Reporting Period:

August 1, 2018

Inspection ID	Facility Name	Date of Survey	Component Type	Number of Components for Which Fugitive Emissions Were Detected	Number of Fugitive Emissions Components not Repaired as Required in §60.5397a(h) (See footnote below)	Date(s) of Successful Repair of Fugitive Emissions Component	Number of Fugitive Emissions Components Placed on Delay of Repair	Explanation for Delay of Repair	Type of Instrument Used to Resurvey a Fugitive Emissions Component not Repaired During Initial Survey
7614	1-26X CPF	2018-05-23	Other	1	0	5/25/2018	0		FLIR GF320
7395	1-2Y CPF	2018-05-07	Other	3	0	5/14/2018	0		FLIR GF320
			Pressure Relief Device	1	0	5/14/2018	0		FLIR GF320
5647	1-2Y CPF	2018-01-04	Other	2	0	2/3/2018	0		FLIR GF320
			Connector	1	0	2/3/2018	0		FLIR GF320
2530	10-6D	2017-08-30	Pressure Relief Device	8	8	12/14/2017, 1/30/2018	8		FLIR GF320
6653	10-6D	2018-02-21	Other	1	0	2/26/2018	0		FLIR GF320
			Pressure Relief Device	2	0	2/26/2018	0		FLIR GF320
7458	13-20X CPF	2018-05-14	Pressure Relief Device	1	0	5/14/2018	0		FLIR GF320
7207	13-2X	2018-04-24	Pressure Relief Device	8	0	4/28/2018	0		FLIR GF320
4735	13-2X	2017-11-30	Connector	3	0	2/3/2018	3		FLIR GF320
			Pressure Relief Device	5	5	2/20/2018	5		FLIR GF320
5657	13-35X CPF	2018-01-04	Connector	1	0	2/3/2018	0		FLIR GF320
			Valve	2	0	2/3/2018	0		FLIR GF320
7459	13-35X CPF	2018-05-14	Other	1	0	5/22/2018	0		FLIR GF320
7368	14-1X	2018-05-01	Other	2	0	5/4/2018	0		FLIR GF320
5479	14-1X	2017-12-27	Other	1	1	2/18/2018	1		FLIR GF320
			Connector	1	1	2/3/2018	1		FLIR GF320
7370	14-21X CPF	2018-05-01	Other	2	0	5/3/2018	0		FLIR GF320
			Pressure Relief Device	4	0	5/3/2018	0		FLIR GF320
4157	14-21X CPF	2017-10-27	Pressure Relief Device	11	2	11/16/2017, 2/6/2018	11		FLIR GF320
			Connector	1	1	11/30/2017	1		FLIR GF320
5524	14-21X CPF	2017-12-29	Other	2	0	2/17/2018	2		FLIR GF320
			Pressure Relief Device	4	4	2/17/2018, 2/6/2018	4		FLIR GF320
7188	14-22G	2018-04-19	Other	3	0	4/21/2018	0		FLIR GF320
			Pressure Relief Device	10	0	4/21/2018	0		FLIR GF320
5315	14-22G	2017-12-19	Other	1	0	12/19/2017	0		FLIR GF320
			Pressure Relief Device	2	2	1/31/2018	2		FLIR GF320
7272	14-7Y CPF	2018-04-27	Pressure Relief Device	5	0	4/28/2018	0		FLIR GF320
5493	14-7Y CPF	2017-12-28	Pressure Relief Device	2	2	2/6/2018	2		FLIR GF320
7803	15-13X	2018-05-31	Other	7	1	6/8/2018, 7/2/2018	0		FLIR GF320
			Pressure Relief Device	8	7	6/4/2018, 7/7/2018, 7/2/2018	0		FLIR GF320

**TABLE 3-2: North Dakota Operations Fugitive Emissions Components**

Beginning Date of Reporting Period:

August 2, 2017

Ending Date of Reporting Period:

August 1, 2018

Inspection ID	Facility Name	Date of Survey	Component Type	Number of Components for Which Fugitive Emissions Were Detected	Number of Fugitive Emissions Components not Repaired as Required in §60.5397a(h) (See footnote below)	Date(s) of Successful Repair of Fugitive Emissions Component	Number of Fugitive Emissions Components Placed on Delay of Repair	Explanation for Delay of Repair	Type of Instrument Used to Resurvey a Fugitive Emissions Component not Repaired During Initial Survey
7573	15-32B	2018-05-22	Other	2	0	5/22/2018	0		FLIR GF320
5765	15-32B	2018-01-11	Pressure Relief Device	3	0	2/9/2018	0		FLIR GF320
			Connector	1	0	2/9/2018	0		FLIR GF320
			Valve	1	0	2/9/2018	0		FLIR GF320
5420	15-33Y CPF	2017-12-22	Connector	1	1	2/19/2018	1		FLIR GF320
			Other	3	3	2/19/2018	3		FLIR GF320
7258	15-33Y CPF	2018-04-26	Other	7	0	4/29/2018, 5/1/2018	0		FLIR GF320
			Pressure Relief Device	4	0	4/29/2018	0		FLIR GF320
			Connector	1	0	4/29/2018	0		FLIR GF320
6804	15-4D	2018-03-08	Other	1	0	3/10/2018	0		FLIR GF320
			Connector	1	0	3/10/2018	0		FLIR GF320
2573	15-4D	2017-09-11	Other	2	2	12/14/2017	2		FLIR GF320
			Pressure Relief Device	2	2	11/30/2017, 1/30/2018	2		FLIR GF320
5500	15-7Y CPF	2017-12-28	Other	1	1	2/12/2018	1		FLIR GF320
			Pressure Relief Device	1	1	2/6/2018	1		FLIR GF320
7273	15-7Y CPF	2018-04-27	Other	2	0	4/28/2018	0		FLIR GF320
			Pressure Relief Device	7	0	4/28/2018	0		FLIR GF320
5316	16-10X CPF	2017-12-19	Other	1	1	2/20/2018	1		FLIR GF320
			Pressure Relief Device	1	1	2/6/2018	1		FLIR GF320
			Connector	2	2	2/17/2018, 2/19/2018	2		FLIR GF320
7208	16-10X CPF	2018-04-24	Other	1	0	5/3/2018	0		FLIR GF320
			Pressure Relief Device	7	0	4/28/2018	0		FLIR GF320
4253	16-6E	2017-11-15	Other	1	1	2/9/2018	1		FLIR GF320
			Pressure Relief Device	11	11	2/9/2018, 2/13/2018	11		FLIR GF320
			Connector	2	2	2/13/2018, 2/22/2018	2		FLIR GF320
7187	16-6E	2018-04-19	Other	2	0	4/21/2018	0		FLIR GF320
			Pressure Relief Device	3	0	4/21/2018	0		FLIR GF320
7271	2-16X CPF	2018-04-27	Other	2	0	4/28/2018, 2/29/2018	0		FLIR GF320
			Pressure Relief Device	1	0	4/28/2018	0		FLIR GF320
5523	2-16X CPF	2017-12-28	Pressure Relief Device	1	1	2/12/2018	1		FLIR GF320
			Connector	1	1	2/12/2018	1		FLIR GF320
7209	4-15X2	2018-04-24	Other	3	0	4/28/2018	0		FLIR GF320
			Pressure Relief Device	7	0	4/28/2018	0		FLIR GF320
5400	4-15X2	2017-12-21	Pressure Relief Device	2	2	2/17/2018, 2/6/2018	2		FLIR GF320
			Connector	3	3	2/12/2018, 2/17/2018	3		FLIR GF320
7396	4-36X	2018-05-07	Valve	2	0	5/9/2018, 5/16/2018	0		FLIR GF320
			Other	2	0	5/9/2018	0		FLIR GF320
			Pressure Relief Device	1	0	5/9/2018	0		FLIR GF320
5646	4-36X	2018-01-04	Other	1	1	2/12/2018	1		FLIR GF320



**TABLE 3-2: North Dakota Operations Fugitive Emissions Components**

Beginning Date of Reporting Period:

August 2, 2017

Ending Date of Reporting Period:

August 1, 2018

Inspection ID	Facility Name	Date of Survey	Component Type	Number of Components for Which Fugitive Emissions Were Detected	Number of Fugitive Emissions Components not Repaired as Required in §60.5397a(h) (See footnote below)	Date(s) of Successful Repair of Fugitive Emissions Component	Number of Fugitive Emissions Components Placed on Delay of Repair	Explanation for Delay of Repair	Type of Instrument Used to Resurvey a Fugitive Emissions Component not Repaired During Initial Survey
5087	5-10E	2017-12-07	Pressure Relief Device	2	2	1/31/2018	2		FLIR GF320
4254	5-10E	2017-11-20	Pressure Relief Device	1	1	1/31/2018	1		FLIR GF320
7406	6-32G	2018-05-10	Valve	1	0	5/12/2018	0		FLIR GF320
			Other	6	0	5/12/2018	0		FLIR GF320
			Pressure Relief Device	5	0	5/12/2018	0		FLIR GF320
5644	6-32G	2018-01-03	Pressure Relief Device	4	0	1/29/2018, 1/30/2018, 1/31/2018	0		FLIR GF320
5642	9-28G	2018-01-03	Pressure Relief Device	7	0	1/26/2018, 1/31/2018	0		FLIR GF320
			Connector	1	1	2/16/2018	1		FLIR GF320
7491	9-28G	2018-05-15	Other	4	0	5/16/2018	0		FLIR GF320
			Pressure Relief Device	2	0	5/16/2018	0		FLIR GF320
5941	3-3Y	2018-01-24	Pressure Relief Device	13	0	1/25/2018, 2/3/2018	0		FLIR GF320
			Other	1	0	2/3/2018	0		FLIR GF320

Footnote: Repairs made within the timeframes specified in §60.5397a(h)(1) and (2), and resurveyed within the timeframe specified within §60.5397a(h)(3), are considered to be repaired as required in §60.5397a(h).